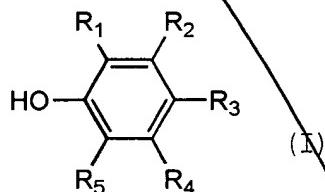


CLEAN VERSION OF AMENDED CLAIMS

1. (Amended) A molecular compound prepared by the method of reacting a phenol derivative represented by Formula (I)

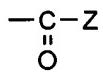


wherein R¹ and R⁵ are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



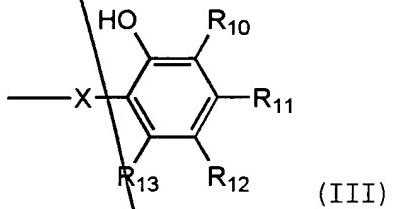
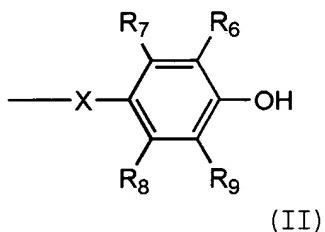
wherein Y and Z are selected from the group consisting of alkyl having 1 to 8 carbons, alkenyl having 2 to 8 carbons, alkoxy having 1 to 6 carbons, hydroxyl, substituted amino, substituted cycloalkyl, substituted phenyl or substituted aralkyl;

R² and R⁴ are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or hydroxyl or

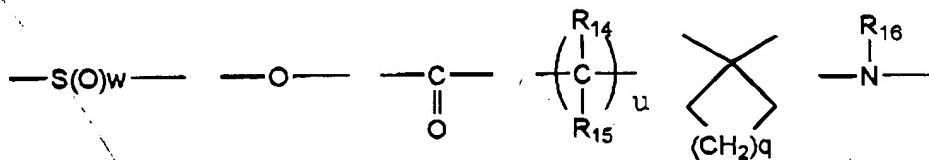


wherein Y and Z are as defined above, in case R₁, R₃ or R₅ is alkoxy having 1 to 4 carbons or hydroxyl;

R₃ is selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, Formula (II) or Formula (III)



wherein X is selected from the group consisting of

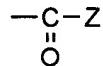


wherein w is 0, 1 or 2; u is 0 or 1; q is 0 to 4; R₁₄ and R₁₅ are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, optionally substituted phenyl or optionally substituted aralkyl; R₁₆ is selected from the group consisting of hydrogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, substituted phenyl or substituted aralkyl; R₆, R₉ and R₁₀ are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, or



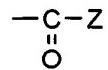
wherein Y and Z are as defined above;

R₇, R₈, R₁₁ and R₁₃ are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or hydroxyl, but R₁₁ is selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or

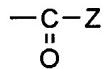


wherein Y and Z are as defined above in case R₁₂ is alkoxy having 1 to 4 carbons or hydroxyl;

R₁₂ is selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or selected from the group consisting of

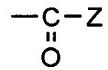


wherein Y and Z are as defined above, or selected from the group consisting of



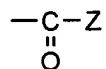
wherein Y and Z are as defined above, or

when R³ is of Formula (II), one of R¹, R⁵, R⁶ and R⁹ is selected from the group consisting of

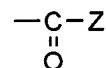
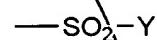


wherein Y and Z are as defined above

when R³ is of Formula (III), at least one of R¹, R⁵ and R¹⁰ is selected from the group consisting of

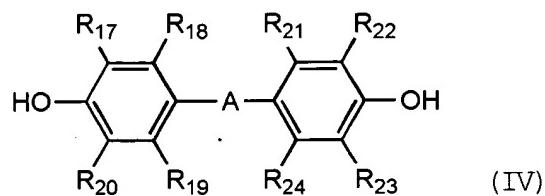


where Y and Z are as defined above, and
when R³ is selected from a group other than the group consisting
of Formula (II) or (III), either R¹ or R⁵ is selected from the
group consisting of

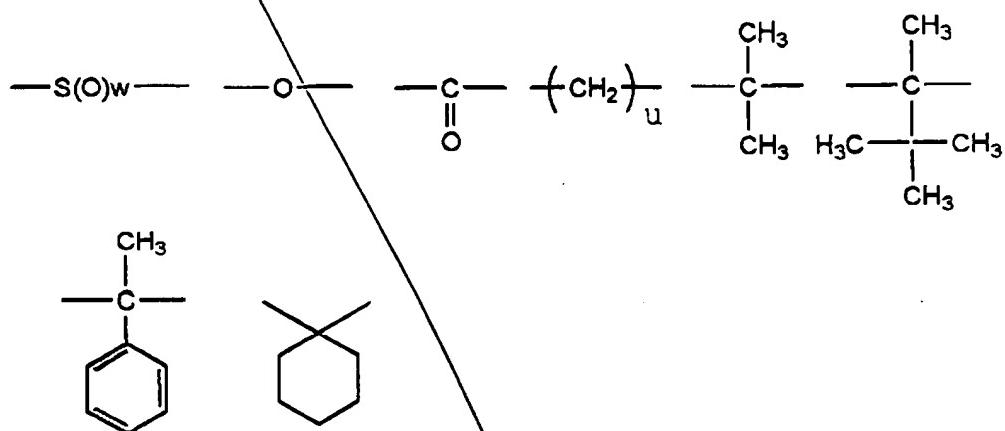


wherein Y and Z are as defined above, and
the phenol derivative is reacted with an organic compound under
conditions sufficient to form a molecular compound having the
phenol derivative as a constituent.

2. (Amended) A molecular compound prepared by the method of
reacting a phenol derivative represented by Formula (IV)

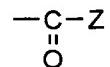


wherein A is selected from the group consisting of



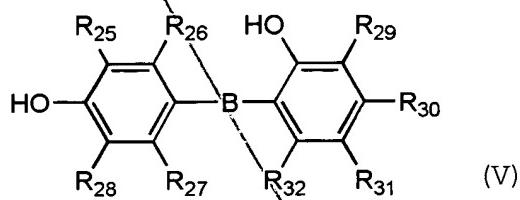
wherein w is 0, 1 or 2 and u is 0 or 1; R_{18} , R_{19} , R_{21} and R_{24} are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons; R_{17} is selected from the group consisting of

b)



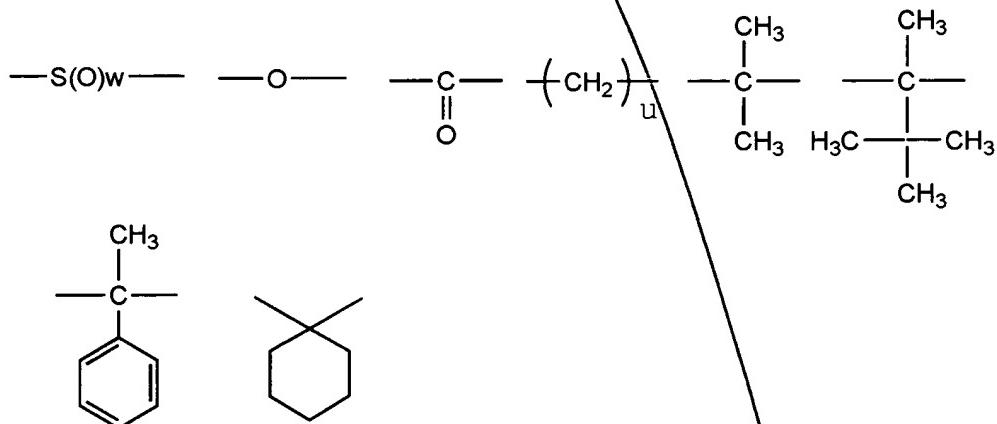
wherein Y and Z are selected from the group consisting of alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, α -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, and R^{10} , R^{22} and R^{23} are same or different, hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or the same groups as those for R^{17} , and an organic compound, as the other reactant under conditions sufficient to form a molecular compound having the phenol derivative as a constituent.

3. (Amended) A molecular compound prepared by the method of reacting a phenol derivative represented by Formula (V)



(V)

wherein B is a group selected from



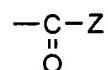
wherein w is 0, 1 or 2 and u is 0 or 1; R₂₆, R₂₇, R₃₀ and R₃₂ are

same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons; $R^{2\ 5}$, $R^{2\ 8}$, $R^{2\ 9}$ and $R^{3\ 1}$ are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or



wherein Y and Z are selected from the group consisting of alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, α -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or

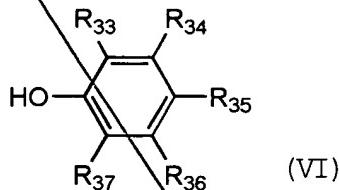
hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, and at least one of R²⁵, R²⁸ and R²⁹ is selected from the group consisting of



wherein Y and Z are selected from the group consisting of alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, α -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen,

and an organic compound as the second reactant under conditions sufficient to form a molecular compound having the phenol derivative as a constituent.

4. (Amended) A molecular compound prepared by the method of reacting a phenol derivative represented by Formula (VI)



wherein R^{33} is selected from the group consisting of



wherein Y and Z are selected from the group consisting of alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or

halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen,

α -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, and R₃₄, R₃₅, R₃₆ and R₃₇ are same or different selected from the group consisting of hydrogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, halogen or the same groups as those for R₃₃, with an organic compound as the second reactant under conditions sufficient to form the molecular compound having the phenol derivative as a constituent.

8. (Amended) A molecular compound according to Claim 1, in which the molecular compound is a clathrate compound and a constituent is a host.

9. (Amended) A molecular compound according to Claim 2, in which the molecular compound is a clathrate compound and a constituent is a host.

10. (Amended) A molecular compound according to Claim 3, in which the molecular compound is a clathrate compound and a constituent is a host.

11. (Amended) A molecular compound according to Claim 4, in which the molecular compound is a clathrate compound and a

constituent is a host.

2